

Lecture Plan
Department of Planning, School of Planning and Architecture, Vijayawada

Name of Course: Disaster Preparedness and Management (MURP215)

Programme & Sem: **Master of Urban and Regional Planning (PG), Semester Three**
 Course Duration: August to December
 Course Coordinator: Ekta, Assistant Prof., Dept. of Planning (ektaspav@spav.ac.in)
 Number of Credits: 03
 Subject Category: Core Theory
 Total Periods/Week: 3
 Internal Assessment: 50 (minimum pass marks 50%)
 End Evaluation: 50 (minimum pass marks 50%) – Written Exam.
 Total Marks: 100 (to be converted to CGPA credit pattern as per regulations)

Subject Objective: Understanding of the roles of the various phases of disaster management and issues concerning planning and policies in those phases. To enable the students to Understand the factors that give rise to differential vulnerabilities and levels of community resilience. Knowledge and capabilities to assess and manage these vulnerabilities through disaster planning and policy-making.

Week	Lecture / Session Topic (Teaching-Learning Objective aimed)	Session Mode (Optional)	References / Suggested Readings
Week 1	Concepts, and definitions of disaster, hazard, calamity, risk, vulnerability, resilience and adaptation	Interactive Session (Group / Individual) and Lecture.	1. Bryant Edwards (2005): Natural Hazards, Cambridge University Press, U.K 2. Coppola P Damon, 2007. Introduction to International Disaster Management, Carter, Nick 1991. Disaster Management: A Disaster Manager's Handbook. Asian Development Bank, Manil 3. Swiss Re. 2005. Natural Catastrophes and Man Made Disaster in 2004. Swiss Re. http://www.swissre.com/INTERNET/pwswper.nsf/fmBookMarkFrameSet?ReadForm&BM=/alldocbyidkeylu//MSHS-4THNZX 4. Disaster management – S.K.Singh, S.C. Kundu, Shobha Singh A – 119, William Publications, New Delhi. 5. Disaster Management – Vinod K Sharma- IIPA, New Delhi,1995 6. Encyclopedia of Disaster Management- Goel S.L. - Deep and Deep Publications, New Delhi, 2006
Week 2	Types of Disasters - urban disasters, pandemics, complex emergency situations; Types of impacts - in terms of special groups, castes, class, gender, age, location, disability	Lecture	
Week 3	Global trends in disasters; Disasters and biodiversity loss; socio economic aspects of disasters.	Lecture.	
Week 4	Stages of Disaster; Immediate Response, Rescue and Relief;	Lecture	
Week 5	Common Issues with Reconstruction and Rehabilitation; Safety, prevention, and preparedness measures; Mitigation measures, structural and nonstructural measures;.	Lecture.	
Week 6	Assessment – 1		
Week 7	Role of different agencies in disaster management - Government, INGOs, NGOs and	Lecture	

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	CBOs, role of economy, ecology and social networks in determining resilience		Report.
Week 8	Understanding Risk through Livelihoods Analysis; Factors affecting Vulnerabilities; Differential Impacts of disasters;	Lecture	2. Sahni, Pardeep et.al. (eds.) 2002, Disaster Mitigation Experiences and Reflections, Prentice Hall of India, New Delhi
Week 9	Assessment – 2		3. Alpaslan Ozerdem and Tim Jacoby (2006) Disaster Management and Civil Society: Earthquake Relief in Japan, Turkey and India, published by I.B tauris and Co ltd. London and New York
Week 10	Ability to recover, coping methods, alternative adjustment processes; Relevance of indigenous knowledge, appropriate technology and local resources;	Group Interactive Session & Lecture.	4. Smd.ac.id/files/Perpustakaan_Digital_1/DISASTER%20MANAGEMENT%20DISASTER%20mangement%20and%20civil%20society.pdf
Week 11	Hazard and vulnerability profile of India; Disasters in the context of development projects, Landuse change and adaptation to Climate Change,	Lecture & Group Discussion	5. Davidson. R A 1997 Urban Earthquake Disaster Risk Index. John A Blume Earthquake Engineering Centre Report:121. Stanford. Stanford University. Department of Ovil Engineering
Week 12	Information and data in the context of emergency situations: Role of geospatial tools in the field of disaster management;	Lecture.	
Week 13	Community and disasters.	Lecture.	
Week 14	Assessment – 3: Time bound Open Book Test;		1. Birkmann, J 2008. "Assessing Vulnerability Before, During and After a Natural Disaster in Fragile. Regions Case Study of the 2004 Indian Ocean Tsunami in Sri Lanka and Indonesia.UNU-Institute for Environment and Human Security
Week 15	DM Act and Policy, Relevant policies, plans, programmes and legislation: Master plans, disaster preparedness and post disaster management.		
Week 16	Steps for formulating a disaster risk reduction plan; Preparation of state and district disaster management plans;	Lecture.	2. Nakamura, Y and T SATO. 2000 Inventory Development for Natural and Built Environments. Use of Seismic Motion and Microtremor for Vulnerability Assessment." In Second Multilateral Workshop on Development of Earthquake and Tsunami Disaster Mitigation Technologies and Their Integration for the Asia-Pacific Region Kamakura.
Week 17	Revision		
Week 18	Revision		

Note:

1. Any other closed holidays as declared by SPAV shall supercede the above lecture plan. Holidays shown above may alter as per Notice from time to time.
2. Assessment Sessions may be re-scheduled, with prior intimation.
3. Reading lists provided is not exhaustive and is subject to addition – students are advised to follow progression of class to keep abreast of the new reading lists, if any.
4. The classes if falling on a holiday as per Academic calendar, shall be adjusted in the previous or coming week of the class.